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What is claimed are:

- Sub A4*
1. A method for removing calcium from water containing a high concentration of calcium bicarbonate, characterized in adding calcium hydroxide to waste water containing a high concentration of calcium in a form of calcium bicarbonate, making the waste water react with calcium hydroxide, and removing the calcium by fixing it to calcium carbonate.
  2. A method for removing calcium from water containing a high concentration of calcium bicarbonate claimed according to claim 1, characterized in that a quantity of calcium hydroxide to be added ranges 75 - 125% of the equivalent weight to calcium.
  3. A method for removing calcium from water containing a high concentration of calcium bicarbonate claimed according to claim 1, characterized in that a quantity of calcium hydroxide to be added ranges 90 - 110% of the equivalent weight to calcium.
  4. A method for removing calcium from water containing a high concentration of calcium bicarbonate claimed according to any of claims 1 to 3, characterized in that said waste water is waste water defluorinated by adding calcium carbonate to primary waste water containing HF.
  5. A method for removing calcium from water containing a high concentration of calcium bicarbonate claimed according to any of claims 1 to 4, characterized in that the water contains said calcium bicarbonate of 200ppm or more.
  6. A method for removing calcium from water containing a high concentration of calcium bicarbonate claimed according to any of claims 1 to 5, characterized in that a quantity of

